

Function

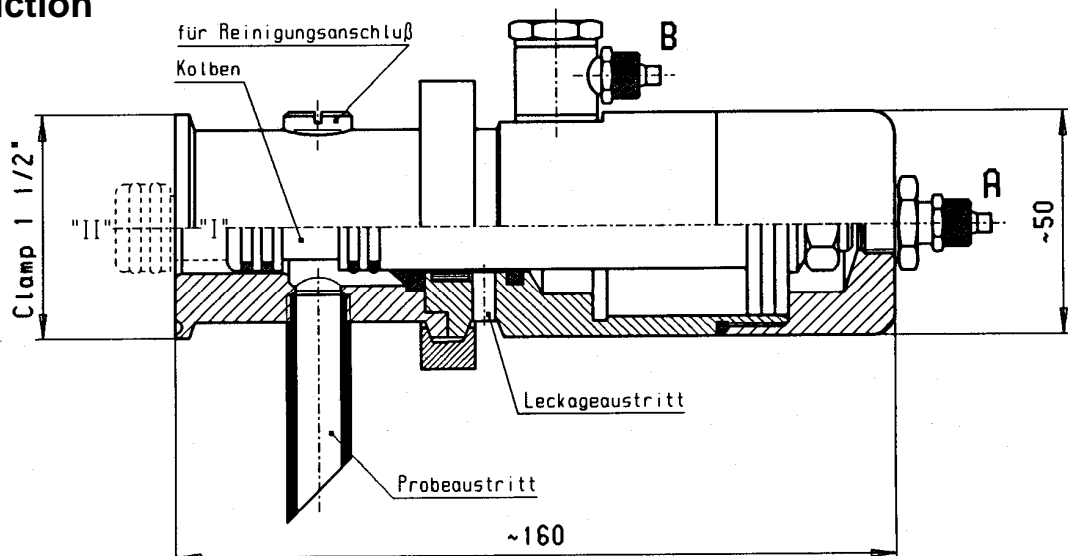
The sampler makes it possible to take samples continuously and aliquote from liquids flowing through pipelines. When the piston is in its final position "II", the sample flows into the calibrated area between the gasket ring pairs. During the movement of the piston towards "I", the sample is forced through the bore in the housing and runs into the sampler vessel, due to gravity.

The volume of the sampler per stroke may be designed differently. The ratio of sample to flow rate is determined by the stroke frequency.

Technical Data

Fittings	Clamp-fitting 1 1/2"
Sample volume per stroke (can be calibrated at works)	0.5 – 3.0 cm ³ depends on construction
Stroke frequency	60 min ⁻¹ max.
Pressure in the product pipeline	0.5 - 7 bar abs.
Temperature of product	80°C max. (in the course of cleaning up 100°C for a short time)
Drive	Pneumatic cylinder, double working
Air pressure	4 - 6 bar
Pneumatic fittings	for hose 4 x 1
Purging joint	R 1/4" for pipe 6 x 1 (on request)
Air consumption	17 NI/min max.
Materials:	
housing	mat. 1.4301 (BS 970 304 S 16 / AISI 304)
piston	mat. 1.4301 (BS 970 304 S 16 / AISI 304)
gasket rings	buna N

Construction



Subject to technical alterations!

GEA Diessel GmbH
Steven 1
D-31135 Hildesheim
Germany
Phone: +49 (0)5121-742-0

Piston-Sampler
pneumatically operated
Type KS-P™

D 75.12 E

Issued 10.2004

Page -1- of -1-